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				U.S. PATENT DOCUMENTS				
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE	
MM.		2,818,417	12/31/57	Brown et al.				
7	7	3,018,247	01/23/62	Anderson et al.				
	1	3,438,757	04/15/69	Honnen et al.				
		3,524,909	08/18/70	Braus et al.				
	7	3,655,833	04/11/72	Eggensperger et al.				SÉP
	1	3,920,661	11/18/75	Ramey et al.	260	270	()	₹ <b>2</b> 0
1	1	3,941,745	03/02/76	Dexter et al.	260	45.8 NT		o,
	7	3,991,012	11/09/76	Ramey et al.	260	45.75 N	Ö	2002
	7	4,000,113	12/28/76	Stephen	260	45.8 N	0	7
	1	4,007,157	02/08/77	Ramey et al.	260	45.8 N		
	1	4,051,102	09/27/77	Ramey et al.	260	45.8 N		
_	4	4,077,941	03/07/78	Stephen et al.	260	45.75 N		
	1	4,081,475	03/28/78	Spivack	560	55		
	1	4,089,842	05/16/78	Ramey et al.	260	45.75 C		
_	1	4,093,586	06/06/78	Stephen	260	45.8 N		
		4,191,682	03/04/80	Ramey et al.	260	45.8 N		
	1	4,191,829	03/04/80	Ramey et al.	546	222		
	17	4,207,229	06/10/80	Spivack	260	45.8 NT	-	
_	17	4,231,759	11/04/80	Udelhofen et al.	44	75		
	7	4,270,930	06/02/81	Campbell et al.	44	71		
		4,274,835	06/23/81	Jordan	44	1 SR		_
		4,670,021	06/02/87	Nelson et al.	44	66		_
		4,734,519	03/29/88	Dunski et al.	560	75	<del> </del>	
		4,806,675	02/21/89	Dunski et al.	560	75		_
-+		5,024,775	06/18/91	Hanlon et al.	252	52 R		
out	+	5,076,814	12/31/91	Hanion et al.	44	450	<del> </del>	

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FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE

INFORMATION DISCLOSURE STATEMENT

SP 2 3 2002

(USE SEVERAL SHEETS IF NECESSARY)

FILING DATE
February 26, 2002

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February 26, 2002

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## U.S. PATENT DOCUMENTS EXAMINER INITIAL CLASS SUBCLASS FILING DATE (IF APPROPRIATE) DOCUMENT NUMBER DATE NAME 5,826,369 10/27/98 308 44 Jordan 6,193,766 02/27/01 44 308 Jordan 4,504,499 3/12/85 Finnan, J.L.

	FOREIGN PATENT DOCUMENTS							
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANS	LATION	
						YES	NO	
CDI	WO0179398	25/10/01	PCT	C10L	1/18			

EXAMINER INITIAL		OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)
COT	,	"Oxidative Stability Index of Vegetable Oils in Binary Mixtures with Meadowfoam Oil," Terry, et al., United States Department of Agriculture, Agricultural Research Service, 1997.
	,	Scita. G. (1992) "Stability of β-Carotene under Different Laboratory Conditions". Methods in Enzymology, 213:175-185 Academic Press, Berkeley, CA
	,	Scita, G. (1992) "Stability of β-Carotene under Different Laboratory Conditions". J. Natr. Biochem. 3(3):124-8
	/	Papadapoulous, K and Ames, J. (1995) "Proposal fo a mechanism for the inhibition of all-trans-β-cartontene autoxidation at elevated temperature by N-(2-phenylethyl)-3,4-diphenyleyrrole", Food Chemistry 54:251-253.
	/	Papadopoulou, K. and Ames, J. (1994) "Kinetics of all-trans-β-Carotene Degradation of Heating with and without Phenylalanine" JAOCS 71:893-896
	/	Papadopoulou, K. and Ames, J. (1994) "Thermal Degrdtion of All-Trans-β-Carotene in the Presence of Phenylalanine" J Sci Food Agric 65:373-379
	/	Hattori et al., (1995) "β-Lactoglobulin Protects β-lonone Related Compounds from Degradation by Heating, Oxidation, and Irradiation." Biosci. Biotech. Biochem. 59(12):2295-2297
	_	Berset, C. and Marty, C. (1992) "Formation of Nonvilatile Compounds by Thermal Degradation of β-Carotene: Protection by Antioxidants." Methods in Enzymology 213:129-142
	,	Berset, C. and Marty, C. (1986) "Use of β-carotene in extrusion-cooking. control of extrusion product color during storage" Ind.  Aliment. Agric. 103(6), 527-32 (Published in French)
	/	Arya et al. (1979) "Stability of β-carotene in isolated systems" J. Fd. Technol 14:571-578
	,	Desobry et al. (1997) "Comparison of Spray-drying, Drum-drying and Freeze-drying for β-Carotene Encapsulation and Preservation" Journal of Food Scince 62:1158-1162
	1	Desorbry et al. (1999) "Influence of Maltodextrin Systems at an Equivalent 25DE on Encapsulated β-carotene Loss During Stroage" Journal of Food Processing Preservation 23:39-55
(M)	1	Selim et al. (2000) 'Kinetic studies of degradation of saffron carotenoids encapsulated in amorphous polymer matrices." Food Chemistry 71:199-206

EXAMINER (	<i>V</i>	0	ou	DATE CONSIDERED	9	103	
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\*EXAMINER: INITIAL IF CITATION CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP 606; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED, INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.

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	FORM PTO-1449	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY, DOCKET NO. ORYXE.026A	APPLICATION NO. 10/084579
31	O mm # B	Disclosure Statement Y applicant	APPLICANT Frederick L. Jordan	1
	(USE STERAL	. SHEETS IF NECESSARY)	FILING DATE February 26, 2002	GROUP 1714

EXAMINER INITIAL		OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)
COT	/	Wagner, L.A. and Warthesen, J.J. (1995) "Stability of spray-dried Encapsulated Carrot Carotenes" Journal of food Science 60(5):1048-1053
	1	Desobry et al. (1998) "Preservation of β-carotene from Carrots" Critical Reviews in Food Science and Nutrition 38(5):381-396
	1	Jernas, B. (1981) "Study of the effect of some antioxidants on the stability of β-carotene in an ointment containing extracts from Flos amicae and Herba calendulae" Herba Pol. 27(1):39-43 Inst. Przem. Zielarskiego, Pozan, Pol. (Published in Polish)(Abstract)
	1	Ochi et al. (1990) "Effects of tocopherols on deterioration of cookies blended with vegetables" Nippon Shokuhin Kogyo Gakkaishi. 37(1):39-44 Fac. Home Econ. Sci., Tokyo Kasei Univ., Tokyo, Japan (Published in Japanese)(Abstract)
	/	Zhedeck et al. (1970) "Tetrahydroquinone derivatives as feed antioxidants" Sin. Issled. Eff. Khim. Polim. Mater 4:283-8 (Published in Russian)(Abstract)
	1	Zhedek et al (1971) "Synthesis and inhibiting properties of 3,4-dihydrosantoquin" Zh. Prikl. Khim. (Leningrad) 44(11):2599-600 (Published in Russian) (Abstract)
	1	Alekseev et al. (1972) "Inhibition of β-carotene oxidation in an aromatic solvent" Izv. Akac. Nauk SSSR, Ser. Khim. 2:312-16 (Published in Russian) (Abstract)
,	1	Alekseev et al. (1973) "Kinetics and mechanism of oxidation and stabilization of β-carotene" Vitam. Vitam. Prep. 232-40 (published in Russian) (Abstract)
001		Zhedek et al. (1971) "Efficient search for new antioxidants as stabilizers of carotene in dehydrated feeds" FiziolBiokhim. Osn. Povysh. Prod. Sel'skokhoz. Zhivotn. 232-41 (Published in Russian)(Abstract)

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EXAMINER DATE CONSIDERED

\*EXAMINER: INITIAL IF CITATION CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP 809; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED, INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.